

### Abstract of the Disclosure

The present invention provides a device relating to separation (extraction, purification) of a biological component such as nucleic acid, protein and the like from a liquid sample  
5 containing the biological component, and, as a method, a device for separating a biological component, which contains magnetically responsive particles and a chip obtained by adhering a pair of substrates, which contains one or multiple grooves formed on at least one surface thereof, with the  
10 groove(s) placed inside, and a method of separating a biological component from a liquid sample, which uses this device, and includes the following steps (a) - (d):

- (a) a step of holding the device such that the adhesion surface of the pair of substrates is about perpendicular to the  
15 horizontal direction,
- (b) a step of adsorbing the biological component to magnetically responsive particles by contacting the magnetically responsive particles with the liquid sample containing the biological component,
- 20 (c) a step of separating the magnetically responsive particles containing the biological component adsorbed thereto from the liquid sample, and
- (d) a step of separating the biological component from the magnetically responsive particles.